

Serial No. 10/632,734

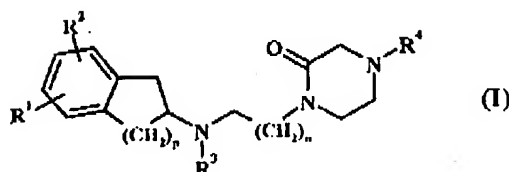
Attorney Docket No. R0087D-DIV

Listing of Claims

Claims 1-32 (canceled)

Claim 33 (currently amended)

A compound comprising of Formula I



wherein:

R^1 , and R^2 are independently in each occurrence hydrogen, halogen, (C_{1-6}) -alkyl, $-OR'$, $-SR'$, $-NR'R''$, $-SOR'$, $-SO_2R'$, $-COOR'$, $-OCOR'$, $-OCONR'R''$, $-OSO_2R'$, $-OSO_2NR'R''$, $-NR'SO_2R''$, $-NR'COR''$, $-SO_2NR'R''$, $-SO_2(CH_2)_{1-3}CONR'R''$, $-CONR'R''$, cyano, haloalkyl, or nitro;

R' and R'' are independently in each occurrence hydrogen, (C_{1-6}) -alkyl, substituted lower alkyl, aryl, heterocyclyl, heteroaryl, aryl- (C_{1-3}) -alkyl, heteroaryl- (C_{1-3}) -alkyl, heterocyclyl- (C_{1-3}) -alkyl, cycloalkylalkyl, cycloalkyl, or R' and R'' together with the nitrogen they are attached may also form a 5- to 7- membered ring, optionally incorporating one additional ring heteroatom chosen from N, O or $S(O)_{0-2}$;

R^3 is independently in each occurrence (C_{1-6}) alkyl, (C_{1-6}) alkenyl, (C_{1-6}) alkynyl, or cycloalkyl;

R^4 is hydrogen, (C_{1-6}) -alkyl, haloalkyl, aryl- (C_{1-6}) alkyl, heteroaryl- (C_{1-6}) alkyl, $-(C_{1-6})-CR'R''R'''$, $-COOR'$, $-SO_2R'$, $-C(O)R'$, $-SO_2(CH_2)_{0-3}NR'R''$, $-CONR'R''$, or $-PO(OR')_2$, wherein R' and R'' are as defined above;

"substituted lower alkyl" means the lower alkyl having one to three substituents, selected from the group consisting of hydroxyl, alkoxy, amino, amido, carboxyl, acyl, halogen, cyano, nitro and thiol;

"heteroaryl" means the monovalent aromatic cyclic radical having one to three rings of four to eight atoms per ring, incorporating one or two heteroatoms (chosen from nitrogen, oxygen or sulfur), within the ring which can optionally be substituted with one or two substituents selected from the group consisting of hydroxy, cyano, lower alkyl, lower alkoxy, lower haloalkoxy, alkylthio, halo, haloalkyl, hydroxyalkyl, nitro, alkoxycarbonyl, amino, alkylamino, alkylsulfonyl, arylsulfonyl, alkylaminosulfonyl, arylaminosulfonyl, alkylsulfonylamino, arylsulfonylamino, alkylaminocarbonyl, arylaminocarbonyl, alkylcarbonylamino and arylcarbonylamino;

"heterocyclyl" means the monovalent saturated cyclic radical, consisting of one or two rings, of three to eight atoms per ring, incorporating one or more ring heteroatoms (chosen from N, O or $S(O)_{0-2}$), and which can optionally be substituted with one or two substituents selected from the group consisting

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of hydroxy, oxo, cyano, lower alkyl, lower alkoxy, lower haloalkoxy, alkylthio, halo, haloalkyl, hydroxyalkyl, nitro, alkoxy carbonyl, amino, alkylamino, alkylsulfonyl, arylsulfonyl, alkylaminosulfonyl, arylaminosulfonyl, alkylsulfonylamino, arylsulfonylamino, alkylaminocarbonyl, arylaminocarbonyl, alkylcarbonylamino and arylcarbonylamino;

"cycloalkyl" means the monovalent saturated carbocyclic radical consisting of one or two rings, of three to eight carbons per ring, which can optionally be substituted with one or two substituents, selected from the group consisting of hydroxy, cyano, lower alkyl, lower alkoxy, lower haloalkoxy, alkylthio, halo, haloalkyl, hydroxyalkyl, nitro, alkoxy carbonyl, amino, alkylamino, alkylsulfonyl, arylsulfonyl, alkylaminosulfonyl, arylaminosulfonyl, alkylsulfonylamino, arylsulfonylamino, alkylaminocarbonyl, arylaminocarbonyl, alkylcarbonylamino and arylcarbonylamino;

p is an integer from 1 to 3 inclusive;

n is an integer from 1 to 6 inclusive; and,

~~pre~~drugs[[,]] individual isomers, racemic or non-racemic mixtures of isomers, or pharmaceutically acceptable salts or solvates thereof.

34. (previously added) The compound of Claim 33, wherein p is 2.

35. (previously added) The compound of Claim 33, wherein n is 3.

36. (previously added) The compound of Claim 34, wherein n is 3.

37. (previously added) The compound of Claim 36, wherein R⁴ is hydrogen.

38. (previously added) A pharmaceutical composition comprising a therapeutically effective amount of a compound of Claim 33 in admixture with a pharmaceutically acceptable carrier.

39. (canceled)

40. (canceled)

41. (currently amended) The A method for the treatment of Claim 40 wherein said a disease state associated with smooth muscle disorders comprising diseases of the genitourinary or gastrointestinal tract, or a respiratory disorders disease-state comprising is selected from the group consisting of allergies,

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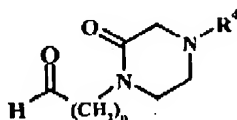
asthma, chronic obstructive pulmonary disease ~~or and~~ pulmonary fibrosis comprising administering to a patient in need thereof a therapeutically effective amount of a compound of claim 33.

42. (currently amended) The method of treatment of Claim 41, wherein said disease state associated with smooth muscle disorders is of the genitourinary tract and comprises ~~is selected from the group consisting of overactive bladder, detrusor hyperactivity, urgency, frequency, reduced bladder capacity, incontinence episodes, changes in bladder capacity, micturition threshold, unstable bladder contractions, sphincteric spasticity, outlet obstruction, outlet insufficiency, pelvic hypersensitivity, idiopathic conditions ~~or and~~ detrusor instability.~~
43. (currently amended) The method of treatment of Claim 41, wherein said disease state associated with smooth muscle disorders is a ~~comprises~~ respiratory disorder states from selected from the group consisting of allergies, asthma, chronic obstructive pulmonary disease ~~and~~ or pulmonary fibrosis.
44. (currently amended) The method of treatment of Claim 41, wherein the disease state associated with gastrointestinal tract disorders ~~comprises~~ is selected from the group consisting of irritable bowel syndrome, diverticular disease, gastrointestinal hypermobility disorders ~~and~~ ~~or~~ diarrhea.

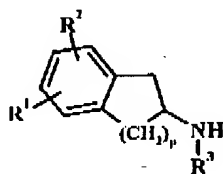
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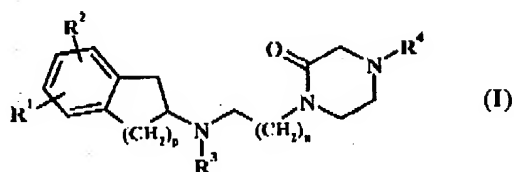
45. (currently amended) A process for preparing a compound as claimed in Claim 33 which process comprises reacting a compound having a general formula



with a compound of general formula



to provide a compound of Formula I



wherein R^1 , R^2 , R^3 , R^4 , p and n are as defined in Claim 33.

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